

# DOCUMENT RESUME

ED 101 093

CE 002 835

**TITLE** Career Development in Nevada: Organizing for Instruction.  
**INSTITUTION** Nevada State Dept. of Education, Carson City.  
**PUB DATE** Jun 74  
**NOTE** 19p.; For related documents, see ED 078 207 and CE 002 834

**EDRS PRICE** MF-\$0.76 HC-\$1.58 PLUS POSTAGE  
**DESCRIPTORS** \*Career Education; \*Curriculum Development; Educational Objectives; Elementary Education; \*Guidelines; \*Instructional Design; Instructional Systems; Program Planning; Secondary Education; Statewide Planning; \*Teaching Procedures

**IDENTIFIERS** \*Nevada

## ABSTRACT

The third in a series of documents reflecting the development of a comprehensive career education plan for the State of Nevada, the publication provides direction for schools seeking to set up an instructional framework for a sound and comprehensive career education program. It suggests a variety of approaches utilizing the abilities and resources of many teachers, along with suggestions for organizing various instructional modes for effective teaching and learning. Career education instruction guide components, the steps for assigning school objectives, writing classroom objectives, and developing instructional guides based on them are detailed in the document. Selecting and grouping occupations within career families and relating the career family in school, home, community, and work-place are topics also touched on. (Author/NW)

ED101093

BEST COPY AVAILABLE



**IN NEVADA**

U.S. DEPARTMENT OF HEALTH,  
EDUCATION & WELFARE  
NATIONAL INSTITUTE OF  
EDUCATION

THIS DOCUMENT HAS BEEN REPRO-  
DUCED EXACTLY AS RECEIVED FROM  
THE PERSON OR ORGANIZATION ORIGIN-  
ATING IT. POINTS OF VIEW OR OPINIONS  
STATED DO NOT NECESSARILY REPRESENT  
OFFICIAL NATIONAL INSTITUTE OF  
EDUCATION POSITION OR POLICY

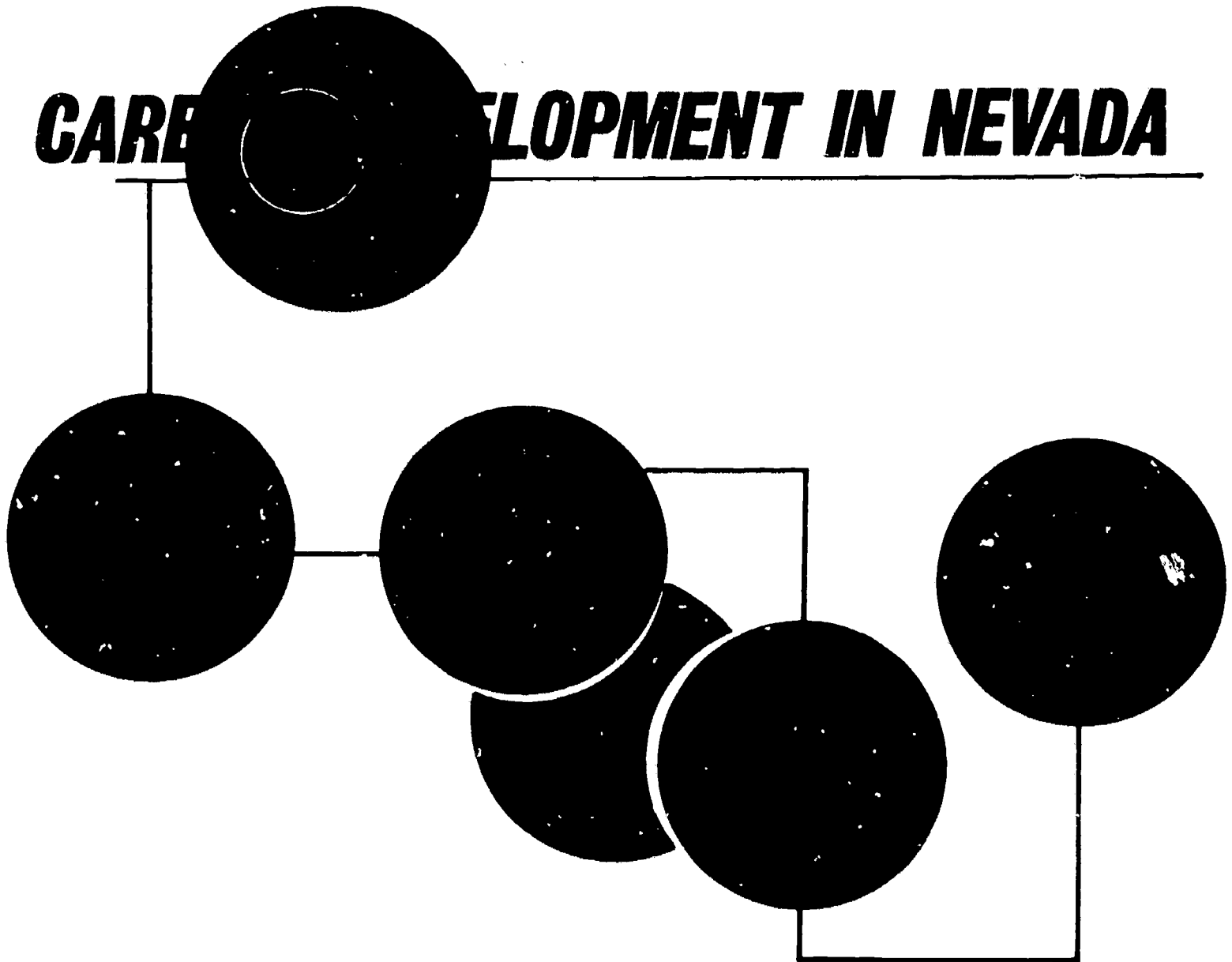
# ORGANIZING FOR INSTRUCTION

THE NEVADA BOARD OF EDUCATION

BEST COPY AVAILABLE

# ***CAREER DEVELOPMENT IN NEVADA***

---



This Publication is one of five developed by the Nevada Department of Education to further Nevada's Career Development Program.

**THE DEPARTMENT OF EDUCATION AND ITS COMMITTEE MEMBERS GIVE SPECIAL THANKS TO THESE EDUCATORS WHO SERVED ON THE LOCAL EDUCATIONAL AGENCY REACTION COMMITTEE AND GAVE EXCELLENT HELP AND ASSISTANCE THROUGH THE DEVELOPMENT OF THIS DOCUMENT.**

**DEPARTMENT OF EDUCATION COMMITTEE FOR THE DEVELOPMENT OF THE CAREER EDUCATION DOCUMENT ORGANIZING FOR INSTRUCTION**

**Frank Brown, Chairman  
Jim Bean  
Denis Graham  
Kenneth Hansen  
Edward Howard  
Herb Steffens**

**LOCAL EDUCATIONAL AGENCY REACTION COMMITTEE**

**Leontine Bennett, Carson City High School, Carson City  
Elaine Berge, Gleason Elementary School, Carson City  
Jim Case, Chairman, Secondary Education Department, College of Education, UNLV  
Edwin Dodson, Professor of School Administration, College of Education, UNR  
Clayton Farnsworth, Principal, Southern Nevada Vocational Technical Center, Las Vegas  
Verl Frehner, Career Education Coordinator, Federal Programs and Projects Education Center, Las Vegas  
Arthur W. Green, Yerington Elementary School, Yerington  
Gene Hillygus, Western Nevada Community College, Stead  
Fred S. Jackson, Assistant Superintendent, Mineral County School District, Hawthorne  
Earl L. Jarrett, Douglas County High School, Gardnerville  
Joaquin Johnson, Superintendent, Nye County School District, Tonopah  
Marvin J. Killfoil, Superintendent, Pershing County School District, Lovelock  
Melvin Kirchner, Director of Guidance and Counseling, Washoe County School District, Reno  
Rosella Linskie, Professor of Elementary Education, College of Education, UNR  
Larry Lochridge, Westerr. High School, Las Vegas  
William McCormick, Principal, Boulder City High School, Boulder City  
Arma Mack, Proctor Hug High School, Reno  
Dick Munson, Supervisor, Adult & Vocational Education, White Pine County School District, East Ely  
Jim Ringer, Career Education Coordinator, Washoe County School District, Reno  
William Rohrer, Proctor Hug High School, Reno  
Barbara A. Schick, Center for Economic Education, UNLV  
Arlen J. Simonson, Chaparral High School, Las Vegas  
Bud Vidmar, Supervisor of Education, State Satellite Project, Carson City  
Verle Yensen, Southside Elementary School, Elko**

# CAREER DEVELOPMENT IN NEVADA

## NEVADA STATE BOARD OF EDUCATION

Rosemary Clarke, President  
Shirlee A. Wedow, Vice President  
Cynthia W. Cunningham  
Rev. Benjamin J. Franzinelli  
Dr. Mary H. Fulstone  
George E. Harris  
Joan Kenney  
William R. Orr  
Robert I. Rose

Kenneth H. Hansen

*Superintendent of Public Instruction  
Nevada Department of Education*

Herb Steffens

*Director, Office of Educational Accountability  
Nevada Department of Education*

## CAREER EDUCATION STEERING COMMITTEE

Herb Steffens, Chairman  
Bert Cooper  
Jim Kiley  
Courtney Riley

June, 1974



## CAREER EDUCATION TASK FORCE

Bill Trabert, Chairman  
Jim Bean  
Frank Brown  
Hal Mathers  
Jerry Nielsen  
Tom Ogg

# ORGANIZING FOR INSTRUCTION

## ● INTRODUCTION ●

Career development is a process that integrates learning and doing into a program which leads to the development of positive attitudes toward the personal, psychological, social, and economic significance of work. The programs that provide for this process are called career development, not because the preparation for work should become the sole or even the major focus of education, but because student exploration of career interests, aptitudes, and abilities is a powerful means of effecting a much-needed fusion of reality into the curriculum.

The document, **Career Development in Nevada**, represents a conceptual approach through which the application of proven and experimental ideas and practices can be formalized into a total instructional system. The concept points to the need for change in organizing and teaching for living in the real world. It will also strengthen the approach to and the quality of the entire instructional process. Career Education is flexible and compatible with other educational programs such as Community Education and Adult Education.

**Career Development in Nevada**, then, presents a conceptual statement for career education. The document, **Goals and Objectives**, provides a hierarchy of goals and related objectives. This document, **Organizing for Instruction**, provides direction for schools seeking to set up an instructional framework for a sound and comprehensive career education program. It suggests a variety of approaches utilizing the abilities and resources of many teachers, along with suggestions for organizing various instructional modes for effective teaching and learning.

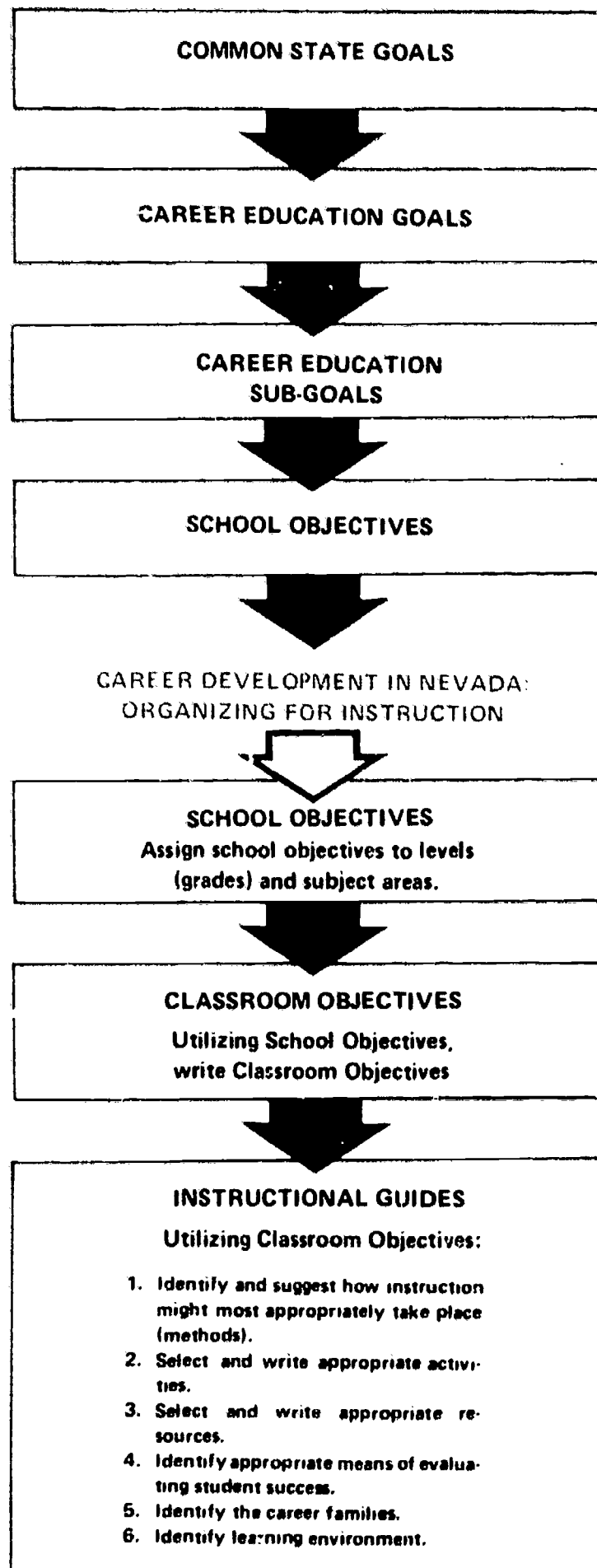
This material is designed to help curriculum planners (administrators and teachers) as they develop plans for the implementation of a school career development program.

The document, **Career Development in Nevada: Goals and Objectives**, published by the Department of Education provides those concerned with curriculum development with a hierarchy consisting of common goals of education, career education goals, and school objectives from which to work in writing instructional guides.

The school objectives are meant to be the basis for the development of classroom objectives within the school or school districts. Prior to the writing of classroom objectives, it is necessary to organize for instruction by assigning school objectives to various levels (grades) and subject areas.

Classroom objectives are then written and become the foundation upon which the instructional guides are built for the levels and subject areas. The instructional guides will then point the way for instruction by providing *continuity, structure, and content* in teachable segments or units.

Within these instructional guides, there ought to be suggestions relative to how instruction is to take place, what activities are appropriate, what resources are available, what evaluation procedures will be utilized, which career families are appropriate, and what learning environments are most appropriate for the activities.



The utilization of a Career Education Program Matrix for each School Objective is helpful in assigning school objectives.

The purpose of such a matrix is to provide, in graphic form, the school objective, the level (grade), the subject area(s), and a statement of articulation and continuity.

Teachers, given the matrixes appropriate to their subject area(s) and level, can then set about the task of writing classroom objectives.

CAREER EDUCATION PROGRAM MATRIX				
Goal No. _____		Sub-Goal No. _____		School Objective No. _____
<input type="checkbox"/> Awareness		<input type="checkbox"/> Specialization		<input type="checkbox"/> Exploration
STATE SCHOOL OBJECTIVE	LOCATION			
	Elementary School	Middle School	High School	Continuing Education
LEVEL (Grade)				
SUBJECT AREAS				
STATEMENT OF ARTICULATION AND CONTINUITY				



## CAREER EDUCATION PROGRAM MATRIX

Goal No. 1Sub-Goal No. 3School Objective No. 2☒ Awareness☐ Exploration☐ Specialization

## STATE SCHOOL OBJECTIVE

*Elementary students will have some knowledge of the Economic concepts and principles relating to the nation, state and community.*

## LOCATION

	Elementary School	Middle School	High School	Continuing Education
LEVEL (Grade)	4	5-8	9-12	13
SUBJECT AREAS	Social Studies	Social Studies	Social Studies, Business, Home Economics	Economics
STATEMENT OF ARTICULATION AND CONTINUITY	Simple concept development of needs, wants and resources.	Clarifying values, setting priorities and making decisions dealing with wants and resources.	Basic principles of supply and demand from consumer perspective	Advanced principles of supply and demand as they relate to business, industry and government

## CAREER EDUCATION PROGRAM MATRIX FOR HIGH SCHOOL

Goal No. 1Sub-Goal No. 3School Objective No. 1☐ Awareness☐ Exploration☒ Specialization

## STATE SCHOOL OBJECTIVE

*Students will apply their understanding of economic concepts and principles (buying, selling, saving & borrowing) in various real and simulated situations.*

	9	10	11	12
LEVEL (Grade)				
SUBJECT AREAS	Home Economics I General Business	Home Economics II	Family Living	U.S. Government Consumer Education
STATEMENT OF ARTICULATION AND CONTINUITY	Family values and goals that affect the way money is used	Consumer knowledge relating to the purchase of goods and services	Income budgeting and expenditure	Government controls, consumer fraud and consumer protection

Once school objectives have been assigned and a career education program matrix completed for each, classroom objectives may be written. School objectives and classroom objectives each contain four common components, expressed in different terms for each type of objective. The components are stated in the form of questions, as follows, with the portion of the example relating to the immediate question shown in *italics*.

### SCHOOL OBJECTIVE COMPONENTS

**1. Who will perform the activity?**

**Example:** *Elementary students.*

**2. What activity will be performed?**

**Example:** *Elementary students will become aware.*

**3. When will the activity be performed?**

**Example:** *Prior to the completion of elementary school, elementary students will become aware.*

**4. What will be the content of the activity?**

**Example:** *Prior to the completion of elementary school, elementary students will become aware of their unique abilities, aptitudes, educational strengths, and occupational interests.*

### CLASSROOM OBJECTIVE COMPONENTS

**1. Who will perform the activity?**

**Example:** *Sixth grade students.*

**2. What activity will be performed?**

**Example:** *Sixth grade students will complete a self-profile scale.*

**3. When will the activity be performed?**

**Example:** *After having completed self-profile studies, sixth grade students will complete a self-profile.*

**4. What will be the content of the activity?**

**Example:** *After having completed self-profile activities, sixth grade students will complete a self-profile of his or her previously identified abilities, aptitudes, educational strengths, and occupational interests.*

In addition, classroom objectives contain the following two components.

**5. What will be the method of measurement?**

**Example:** *After having completed self-profile studies, sixth grade students, given a self-profile scale, will complete the profile of his or her previously identified abilities, aptitudes, educational strengths and occupational interests.*

**6. What will be the anticipated performance level?**

**Example:** *After having completed self-profile studies, sixth grade students, given a self-profile scale, will complete the profile to within 80% of his or her previously identified abilities, aptitudes, educational strengths and occupational interests.*

Once the classroom objectives have been assigned and written, the developers of instructional guides must give consideration to the following questions.

1. What mode or method of instruction is desired for the classroom objective?
2. What activities will assist students in meeting the classroom objective?
3. What resources are needed for the completion of the activities?
4. What means of evaluation will be utilized in measuring the extent to which the student has accomplished the objective?

The above four questions are basic to the development of all instructional guides. In writing *Career Education* instructional guides, however, consideration must be given to these two additional questions.

5. To what career families does the objective best relate?
6. What learning environments (school, home, community, and workplace) are most appropriate for the accomplishment of the activities?

Teachers might find the following form useful in developing school objectives. It is an example of a page of an instructional guide which contains all of the components related to the questions listed above.

GRADE, SUBJECT AND/OR COURSE TITLE _____					
SCHOOL OBJECTIVE _____					
CLASSROOM OBJECTIVE	TEACHING MODELS AND METHODS	LEARNING ENVIRONMENTS	LEARNING ACTIVITIES	RESOURCES	EVALUATION
	Large group seminars, independent study, other	Home, community, school, workplace	Include career family when appropriate	Visual, audio, printed, observed	Observed performance, written, other
1. Who will perform the activity? _____					
2. What activity will be performed? _____					
3. When will the activity be performed? _____					
4. What will be the content of the activity? _____					
5. What will be the method of measurement? _____					
6. What will be the anticipated performance level? _____					

GRADE, SUBJECT AND/OR COURSE TITLE: Grade 8, Social Studies

**SCHOOL OBJECTIVE:** Mobile School students will apply their strengths, resources, ideas, abilities, and experiences in relation to planning career choices (Grade 1, Sub goal 1, School Objective 1, Performance 1)



ERIC  
Full Text Provided by ERIC

GRADE, SUBJECT AND/OR COURSE TITLE: High School English

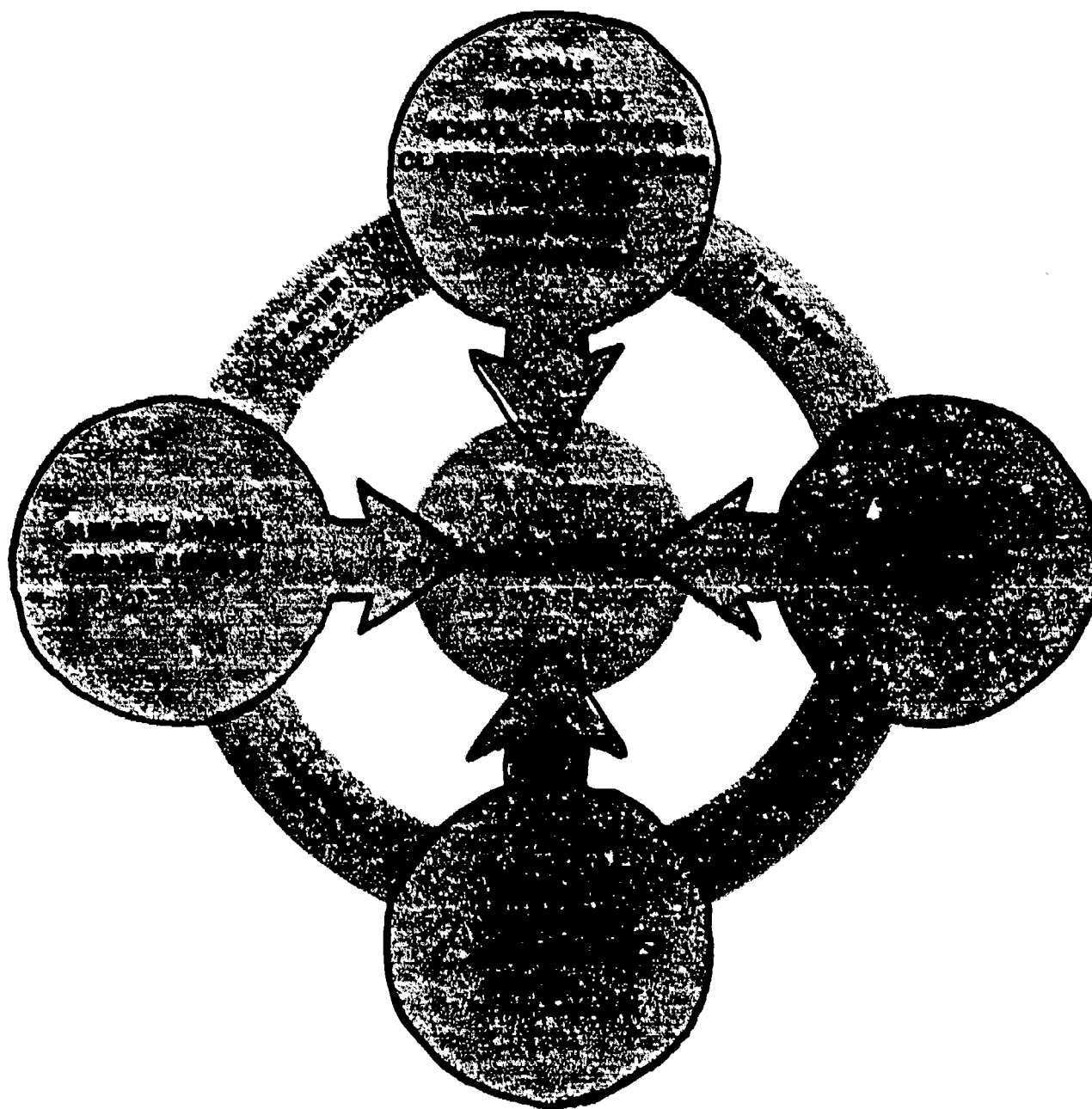
SCHOOL OBJECTIVE: Secondary and continuing students will be able to present an accurate and complete description of education, training, experience, and related personal data to potential employers through a variety of delivery systems (interviews, tests, applications, etc.) (Goal VIII, Sub-goal 2, School Objective 4, Specialization).

CLASSROOM OBJECTIVE	TEACHING MODES AND METHODS	LEARNING ENVIRONMENTS	LEARNING ACTIVITIES	RESOURCES	EVALUATION
	Large group seminars, independent study, other		Include career family when appropriate	Visual, audio, printed, observed	Observed performance, written, other
1. Who will perform the activity? <u>High school seniors in English classes</u>	1. Independent study	1. Home	N/A	1. Printed	1. Written
2. What activity will be performed? <u>will describe</u>	2. One to one discussion with teacher & administrator	2. School	2. Individual instruction & criticism	2. Observation	2. Observation, discussion
3. When will the activity be performed? <u>by May 1 of the senior year</u>	3. One to one discussion with counselor	3. School	3. Test interpretation	3. Printed, audio, natl. test	3. Discussion, printed data from test co.
4. What will be the content of the activity? <u>their education, training, and experience</u>	4. One to one discussion with counselor	4. School	4. Personal grooming advice	4. Visual (if possible), printed observation.	4. Observation, discussion
5. What will be the method of measurement? <u>as evidenced in tests, a written application, and an oral interview</u>	5. One to one discussion with teacher	5. School	5. Review & edit of application	5. Written	5. Discussion, recommendations for improvement
6. What will be the anticipated performance level? <u>in the satisfaction of a prospective employer.</u>	6. One to one discussion with employer	6. Community	6. Simulated interview	6. Arrangements with local industry	6. Discussion with employer



## ● INSTRUCTIONAL APPLICATION

The teacher's role, as indicated, is to select goals, objectives, activities, and evaluative procedures which are keyed to grade levels and which utilize appropriate subject matter, which are organized with logical reference to career families, and which allow for full utilization of all learning environments. The degree to which these selections are appropriate to the learner will largely determine the success of the instructional program.



This diagram indicates the central and unifying focus on the learner. The related components in the four areas are taken directly from the instructional guides. They are selectively combined by the teacher, using appropriate instructional modes (ways and methods of teaching) to provide an optimal learning experience.

Of special importance in the process is the choice of sound instructional modes. The correlation among objectives, learning activities, instructional modes, and the learner himself is critical. There should be a match among all of these factors so that the learner will be intimately involved in the process.

The competent teacher will be skilled in the use of a multitude of instructional modes. The teacher will use them in appropriate situations, and in such a way as to best achieve predetermined objectives. No one mode of instruction is adequate or appropriate for all subject matter, all students, and all teachers.

Those persons who develop study guides or other program support material should bear in mind the importance of instructional modes and should include in their guides suggestions as to appropriate modes. For example, site visitations and carefully planned field trips are especially sound instructional procedures for the achievement of certain objectives; for other objectives, specific reading assignments, individual research assignments, or simulations and games might be more appropriate and productive. Such specific suggestions should be embodied in more detailed documents designed to provide specific guidance for the classroom teacher.

BEST COPY AVAILABLE

## ● SELECTING AND GROUPING OCCUPATIONS WITHIN CAREER FAMILIES

Question 5 on page 5 refers to career families. A career family is a group of related occupations requiring similar knowledge and skills. The degree to which the study of careers will be grouped into families depends on the level of emphasis; *awareness*, *exploration*, or *specialization*. These levels are, in turn, tied closely to the chronological order of the continuum — elementary school, middle school, and secondary and continuing education. The following chart is offered as an example of how writers may view the career families as appropriate to general levels of instruction:

SELECTING AND GROUPING OCCUPATIONS WITHIN CAREER FAMILIES																											
SECONDARY & CONTINUING EDUCATION	Business Occupations	Marketing & Distribution Occupations	Transportation & Material Occupations	Construction Occupations	Manufacturing Occupations	Transportation Occupations	Agri-Business Occupations	Marine Science Occupations	Environmental Control Occupations	Health Occupations	Public Service Occupations	Personal Service Occupations	Hospitality & Recreation Occupations	Fine Art and Humanities Occupations	Home Economics Related Occupations												
SPECIALIZATION																											
MIDDLE SCHOOL	Business Occupations			Industrial Occupations			Agri Ecology Occupations			Service Occupations																	
EXPLORATION																											
ELEMENTARY SCHOOL	SELECTED OCCUPATIONS																										
AWARENESS																											

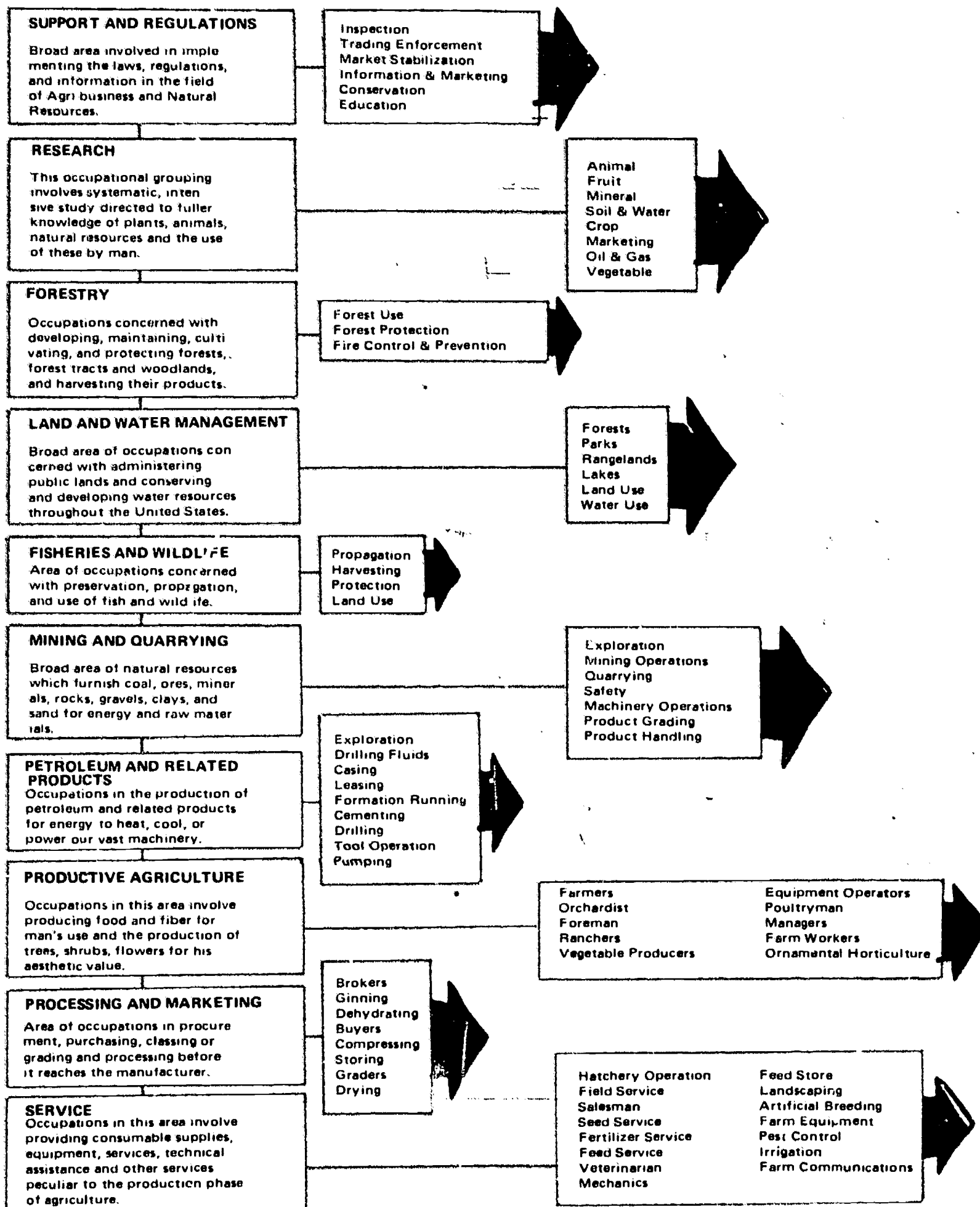
In selecting and grouping occupations within career families, it might be helpful to look at one of the families in some depth. The following breakdown, using *agri-business* as an example, shows how any of the families of occupations might be organized:



## THE FAMILY OF CAREERS IN AGRI-BUSINESS AND NATURAL RESOURCES

## GENERAL GROUPINGS

## AREAS OF SPECIALIZATION



\* These are the occupations for which job classifications exist or may emerge. See the *Dictionary of Occupational Titles* for classification descriptions.

An Analysis of 15 Occupational Clusters Identified by the U.S.O.E., prepared by Grayson County College, Sherman, Texas, 1972.

BEST COPY AVAILABLE

# ● RELATING THE CAREER FAMILY IN SCHOOL, HOME, COMMUNITY AND WORK-PLACE

Questions on page 5 refer to learning environments. The instructional guide should include information which relates the home, community, and work-place to the school. The following chart relates these diverse learning environments to the school and shows how they correspond in terms of organization to the career family in the previous charts. They provide yet another dimension for instructional organization.

RELATING THE CAREER FAMILY IN SCHOOL, HOME, COMMUNITY, AND WORK-PLACE										
School and Workplace	WORK EXPERIENCES IN SPECIFIC OCCUPATIONS (Cooperative Education, Etc.)									
School and Community Examples	Junior Achievement	Junior Achievement	4-H	Environment Interior Groups	Candy Strippers	Volunteer Firemen, Policemen, Teacher Aide, etc.	Modeling (Volunteer) etc.	Social and Recreational Opportunities	Community (Little) Theater	Junior Achievement & 4-H etc.
School and Home Practical Arts	Basic Business Education	Industrial Arts Education	Hort. & Garden (urban) Agriculture Prod. (rural)	Environmental Education	Health and Safety Education	Volunteer Training	Charm Education etc.	Etiquette and Leisure Time Education	Music Appreciation, Art Appreciation, etc.	Consumer & Homemaking Education

The instructional guide itself, then, becomes a device for assisting the teacher to define and to perform his role in the instructional process. The teacher brings to bear on the learner the diverse but related elements in **Organizing for Instruction**.

### SUMMARY

The process of organizing for instruction in career education proceeds from the development of goals and objectives to the formulation of Instructional Guides. The foundation for this process is described in the document Career Development in Florida: Goals and Objectives. Career Development Instructional Guide components, the steps for assigning school objectives, and the steps for developing Instructional Guides based upon them are detailed in the present document. The process of organizing for instruction is taken together with the previous document, Career Development in Florida: Goals and Objectives, to provide administrators and teachers in developing Instructional Guides.